

SmartScale Project_WIFI_BT Antenna

1. Antenna Specifications

Parameter	Content
Operating Frequency Band	2400-2483.5MHz
Bandwidth	83.5MHz
Polarization	Linear polarization
Direction of radiation	Omnidirectional radiation
Maximum Gain	2.29dBi
Impedance	50 Ω
Operating temperature	-40~85℃
Antenna type	PIFA
Manufacturer	Shenzhen Daxian Technology Co., Ltd.

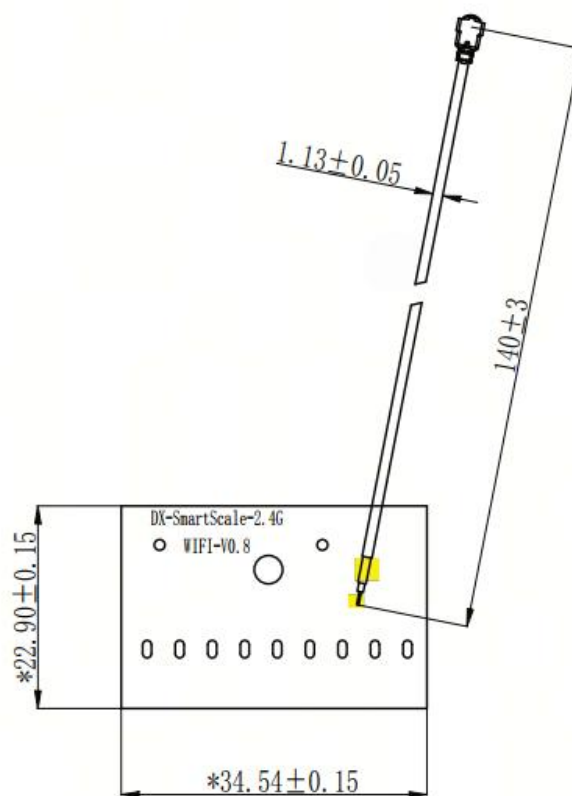
2. Gain and Efficiency of antenna

Frequency/Hz	Efficiency(%)	Efficiency(dB)	Gain(dBi)
2400	52.36	-2.81	2.12
2410	52.49	-2.80	2.15
2420	52.61	-2.79	2.17
2430	52.67	-2.78	2.23
2440	53.72	-2.70	2.25
2450	53.78	-2.69	2.29
2460	52.94	-2.76	2.26
2470	52.58	-2.79	2.21
2480	52.46	-2.80	2.16
2490	52.36	-2.81	2.14
2500	52.24	-2.82	2.12

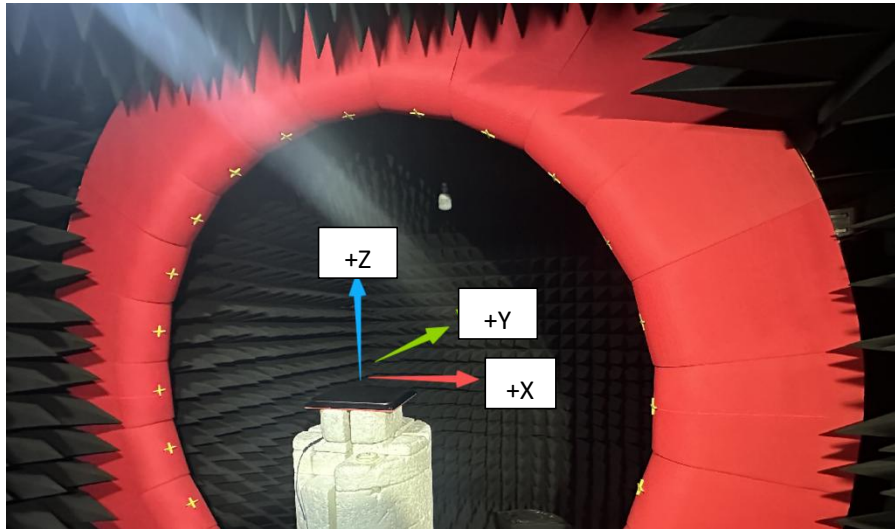
3. Radiation pattern



Antenna size:

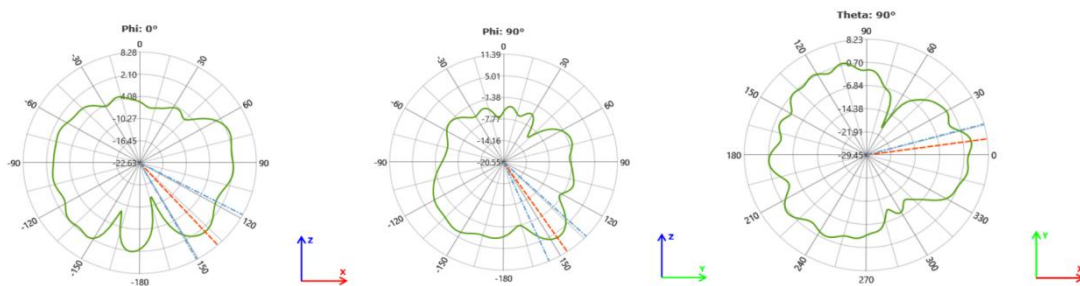


Position of the object to be measured:



Test frequency point: 2450MHz

2D radiation pattern



3D radiation pattern

